



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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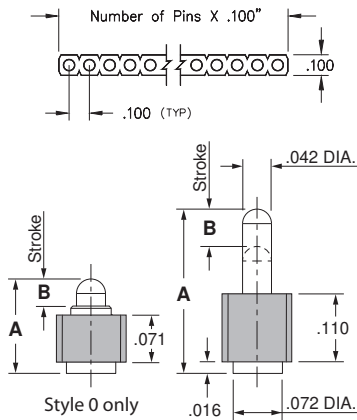
SPRING-LOADED CONNECTORS

SERIES 811 & 813 • .100" GRID SURFACE MOUNT, LOW PROFILE • SINGLE AND DOUBLE ROW STRIPS

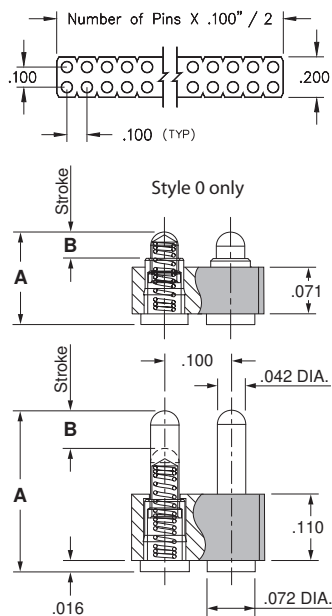


- Modular contacts for use on .100" grid, available in five heights from .137" to .236", supplied in single and double row contact strips
- Precision-machined piston / base and gold-plated components assure a 1,000,000 cycle life durability
- Pistons have a long stroke relative to the low profile of the assembly
- Low resistance, high current contacts are rated at 2 amps continuous, 3 amps peak
- High temperature thermoplastic insulators are suitable for surface mount processes
- Both 811 & 813 series, contact styles 1 through 4, are available on 32mm wide carrier tape and fitted with vacuum pick-up clips for automated pick and place assembly. Tape and Reel packaging per EIA-481. See page 12 for strip lengths available and ordering information

SINGLE ROW Series 811



DOUBLE ROW Series 813



ORDERING INFORMATION

Single Row Series 811

811-22-0XX-30-00X101

Specify number of contacts 01-64

Specify contact style 0-4

Double Row Series 813

813-22-0XX-30-00X101

Specify number of contacts 04-72

Specify contact style 0-4

For 811 and 813 Tape & Reel packaging, see page 12

CONTACT STYLE	INITIAL HEIGHT A	MAX. STROKE B
0	.137	.039
1	.177	.045
2	.197	.055
3	.217	.055
4	.236	.055

Technical Specifications

Materials:

Contact piston & base: Machined copper alloy plated 20 μ " gold over 100 μ " nickel
 Spring: Beryllium copper-plated 10 μ " gold
 Insulator: High temperature thermoplastic, rated UL94 V-0

Mechanical:

Spring force @ initial height (A): 25 grams
 Spring force @ mid stroke (B/2): 60 grams
 Durability: 1,000,000 cycles
 Coplanarity: .005" (Single Row up to 10 pins; Double Row up to 20 pins),
 For higher pin counts, contact Technical Support

Electrical:

Voltage rating: 100Vrms/150Vdc
 Current rating: 2A (continuous), 3A (peak) per contact
 Contact resistance: 20m Ω max.
 Insulation resistance: 10,000M Ω min.
 Dielectric strength: 700Vrms min.
 Capacitance: 1pF max.

RoHS-2
2011/65/EU



SPRING-LOADED CONNECTORS

SERIES 811, 812, 813, 814 • .100" GRID SURFACE MOUNT • CARRIER TAPE AND PACKAGING

Ordering Information for Series 811/812/813/814 in Carrier Tape

Single Row Series 811	Double Row Series 813
<p>811-22-0XX-30-00X191</p> <p>Specify contact style 0-4</p> <p>Specify number of contacts 02-08</p> <p>(32mm wide tape, 400 parts per 13" reel)</p>	<p>813-22-0XX-30-00X191</p> <p>Specify contact style 0-4</p> <p>Specify number of contacts 04-16</p> <p>(32mm wide tape, 400 parts per 13" reel)</p>
Single Row Series 811	Double Row Series 813
<p>811-22-0XX-30-00X191</p> <p>Specify contact style 1-4</p> <p>Specify number of contacts 09-12</p> <p>(44mm wide tape, 200 parts per 13" reel)</p>	<p>813-22-0XX-30-00X191</p> <p>Specify contact style 1-4</p> <p>Specify number of contacts 18-24</p> <p>(44mm wide tape, 200 parts per 13" reel)</p>
Single Row Series 812	Double Row Series 814
<p>812-22-0XX-30-00X191</p> <p>Specify contact style 0-2</p> <p>Specify number of contacts 02-08</p> <p>(32mm wide tape, 400 parts per 13" reel)</p>	<p>814-22-0XX-30-00X191</p> <p>Specify contact style 0-2</p> <p>Specify number of contacts 04-16</p> <p>(32mm wide tape, 400 parts per 13" reel)</p>
Single Row Series 812	Double Row Series 814
<p>812-22-0XX-30-00X191</p> <p>Specify contact style 0-2</p> <p>Specify number of contacts 09-12</p> <p>(44mm wide tape, 200 parts per 13" reel)</p>	<p>814-22-0XX-30-00X191</p> <p>Specify contact style 0-2</p> <p>Specify number of contacts 18-24</p> <p>(44mm wide tape, 200 parts per 13" reel)</p>
Single Row Series 812	Double Row Series 814
<p>812-22-0XX-30-00X191</p> <p>Specify contact style 3-9</p> <p>Specify number of contacts 02-12</p> <p>(44mm wide tape, 200 parts per 13" reel)</p>	<p>814-22-0XX-30-00X191</p> <p>Specify contact style 3-9</p> <p>Specify number of contacts 04-24</p> <p>(44mm wide tape, 200 parts per 13" reel)</p>